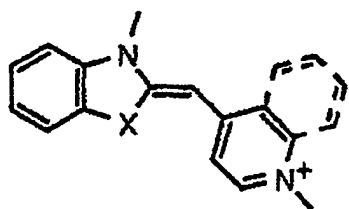


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Dye	X	Heterocycle	$\lambda_{\text{max}}$
BO	S	pyridine	445
TO	S	quinoline	510
PO	O	pyridine	435
YO	O	quinoline	480

FIG.1

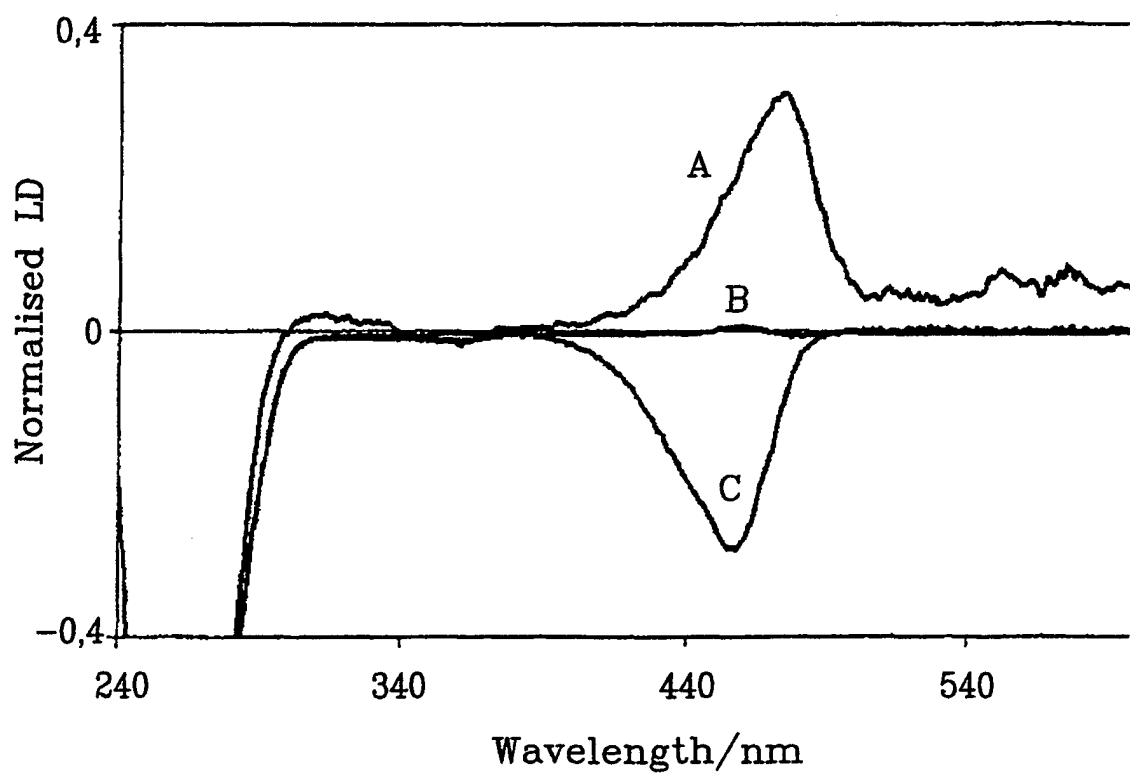


FIG.2

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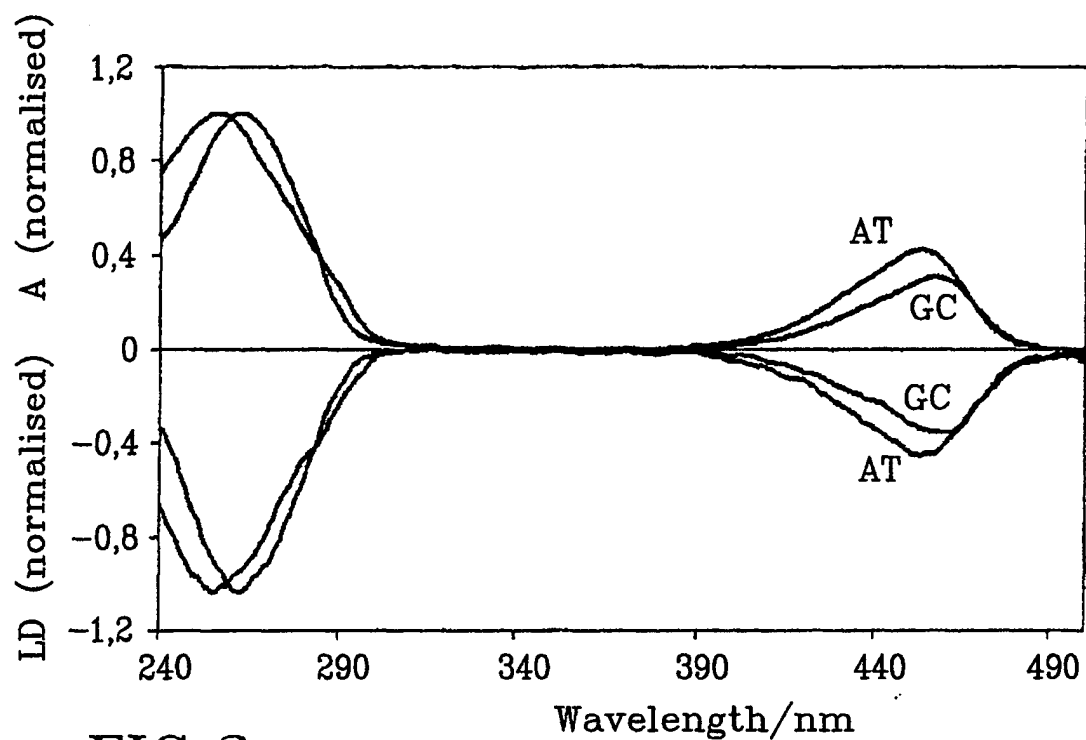


FIG.3

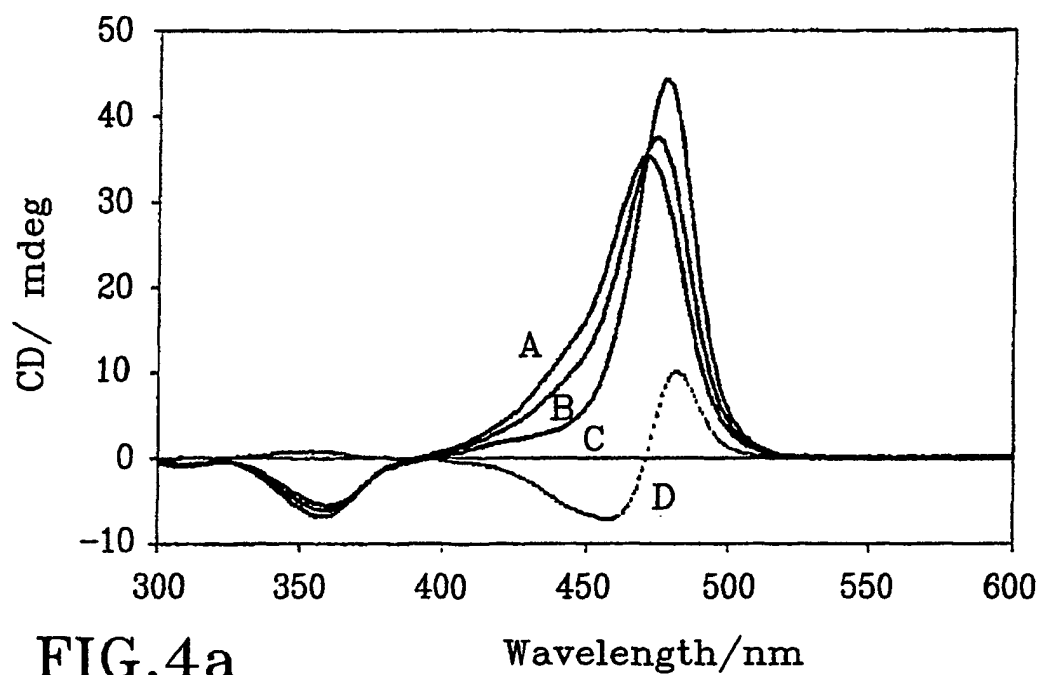


FIG.4a

Wavelength/nm

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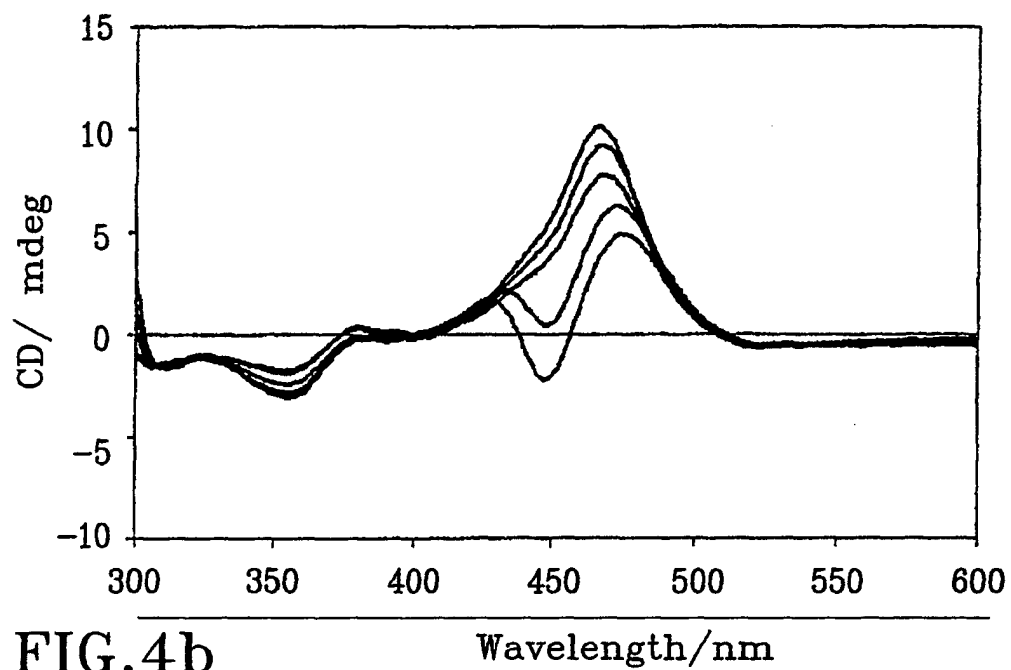


FIG.4b

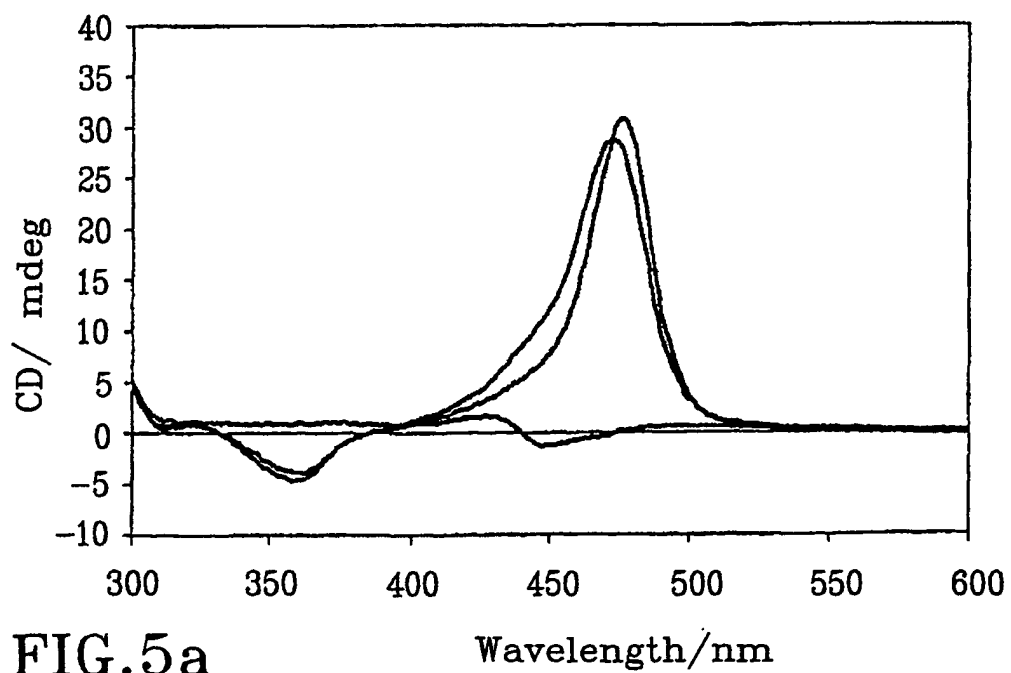


FIG.5a

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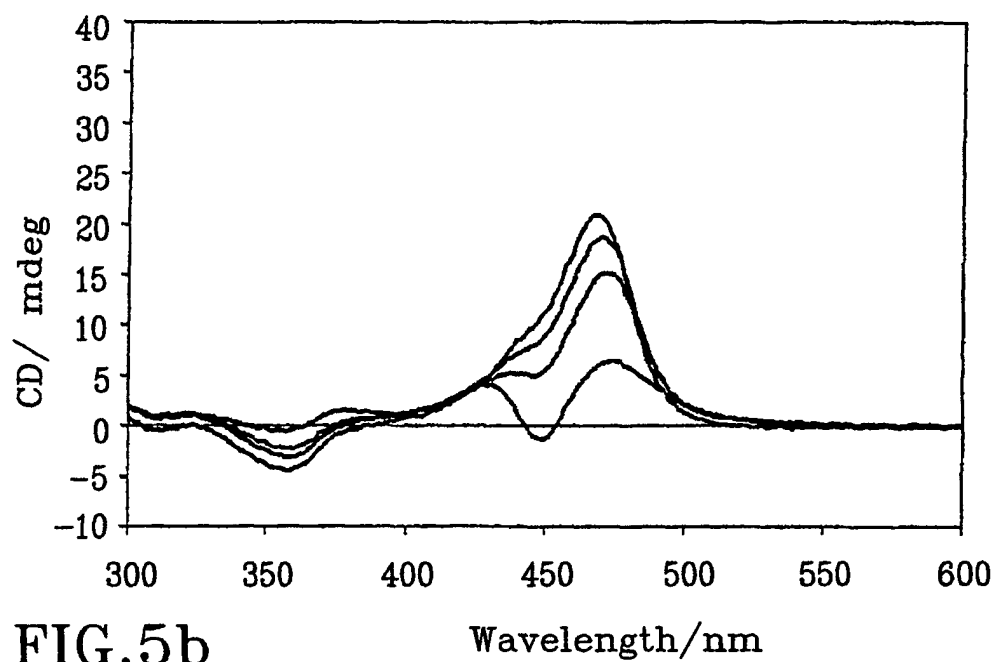


FIG.5b

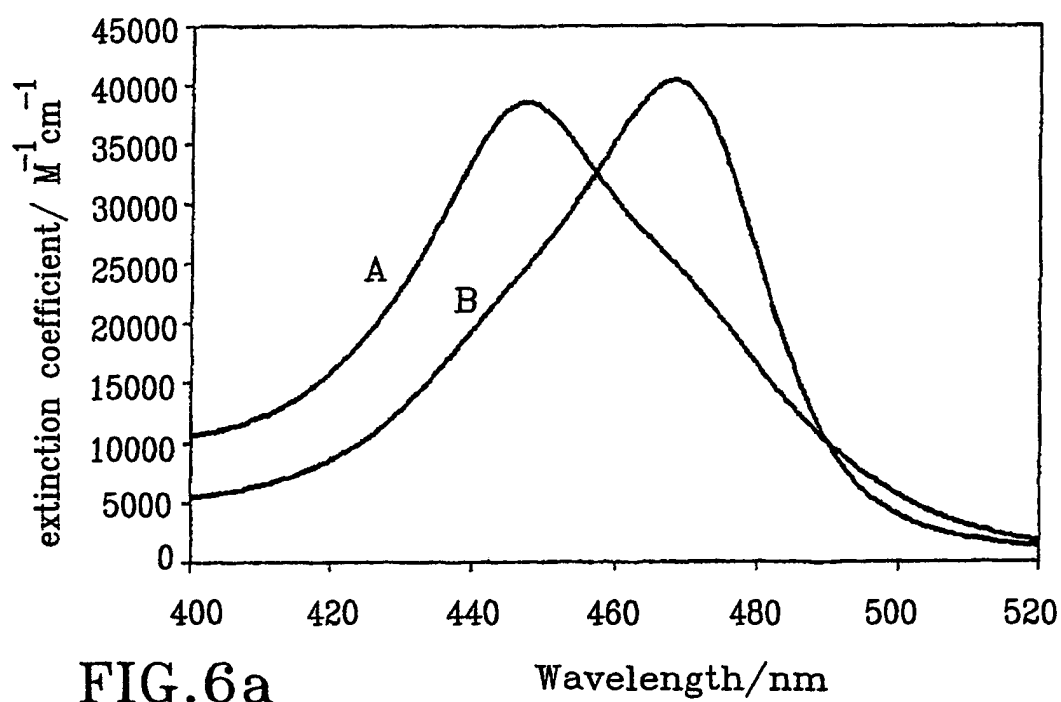


FIG.6a

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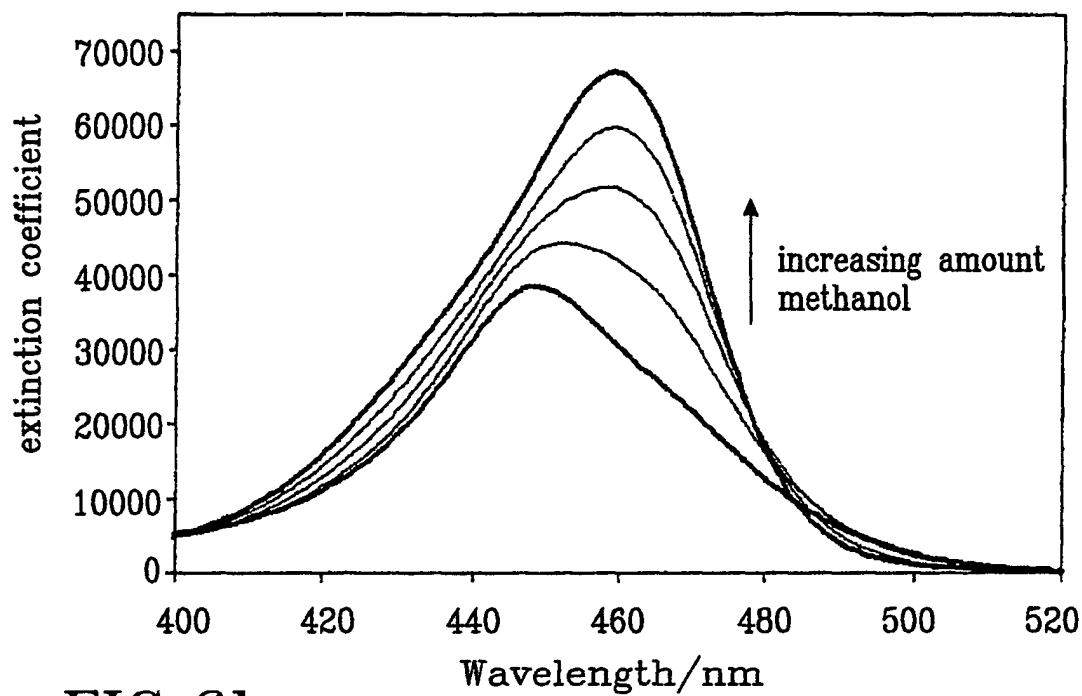


FIG. 6b

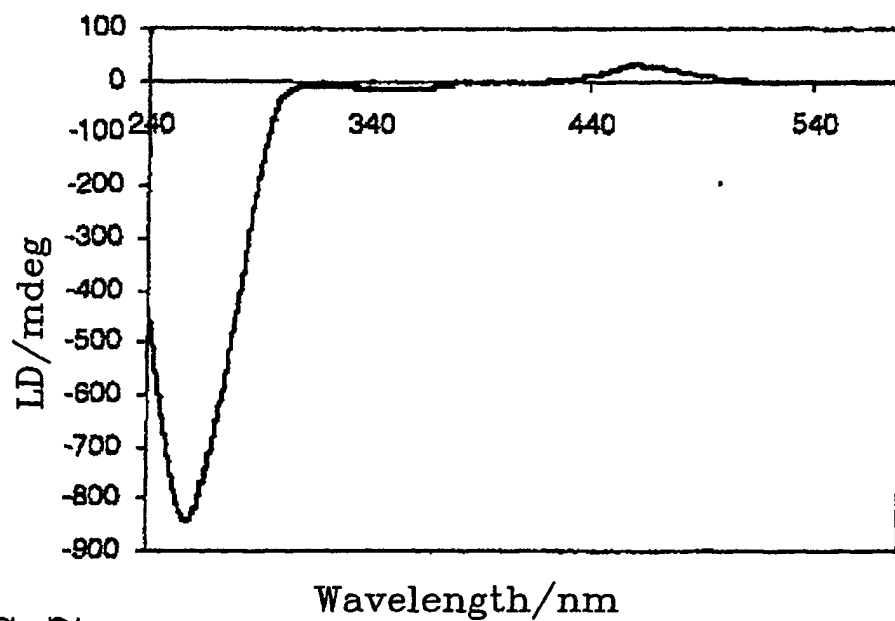


FIG. 7a

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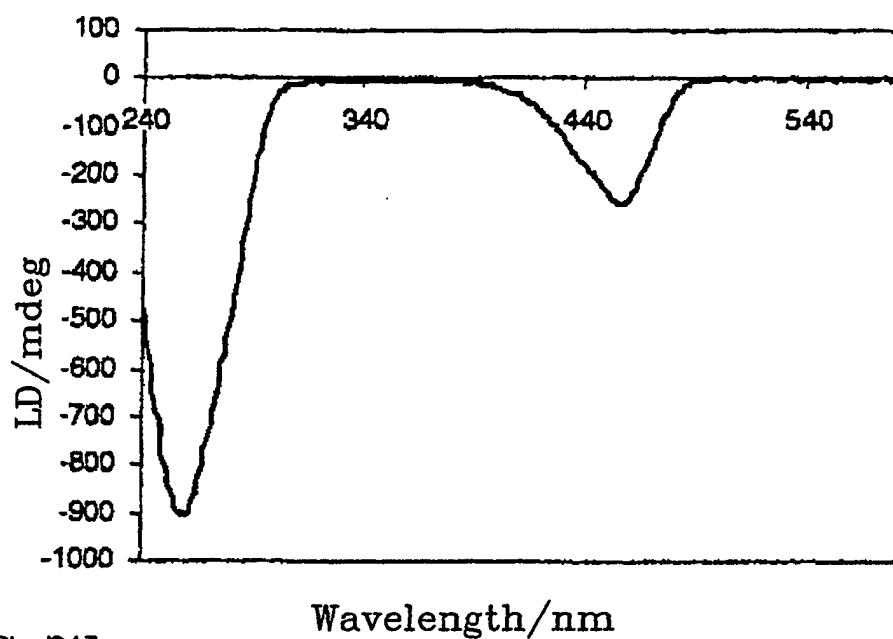


FIG. 7b

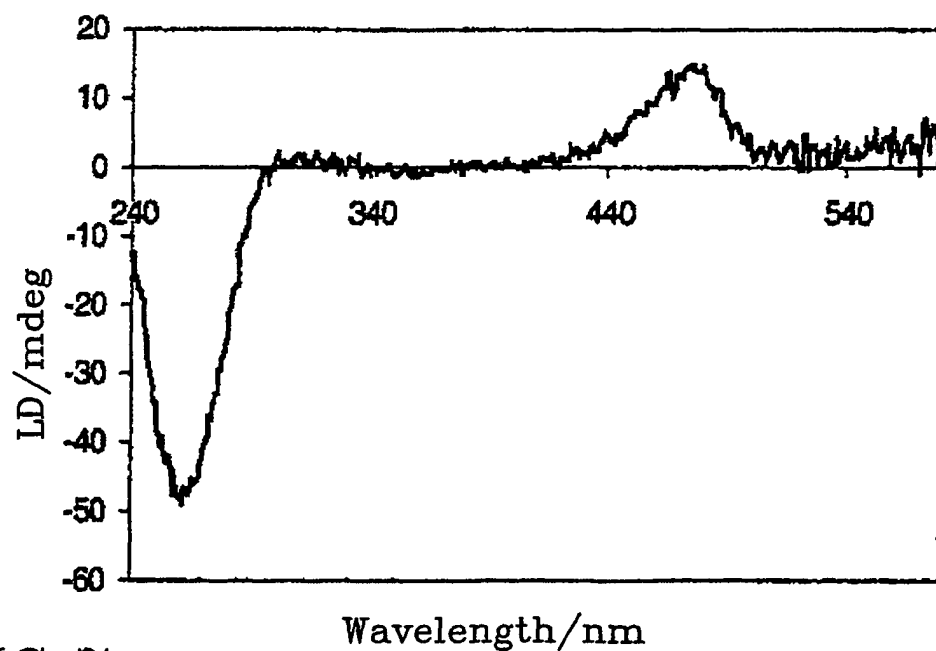


FIG. 7c

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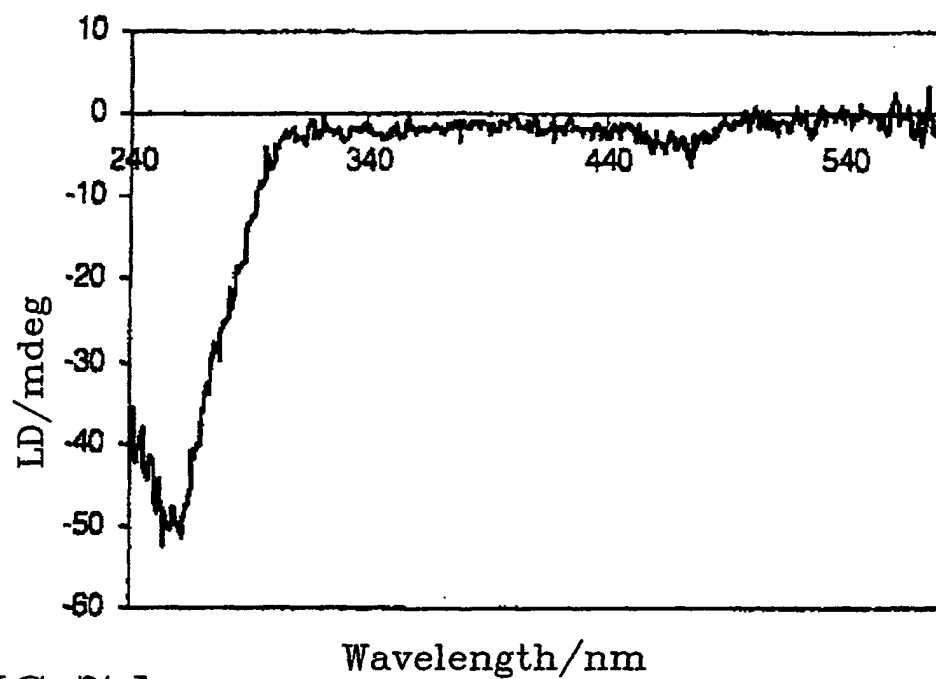


FIG. 7d

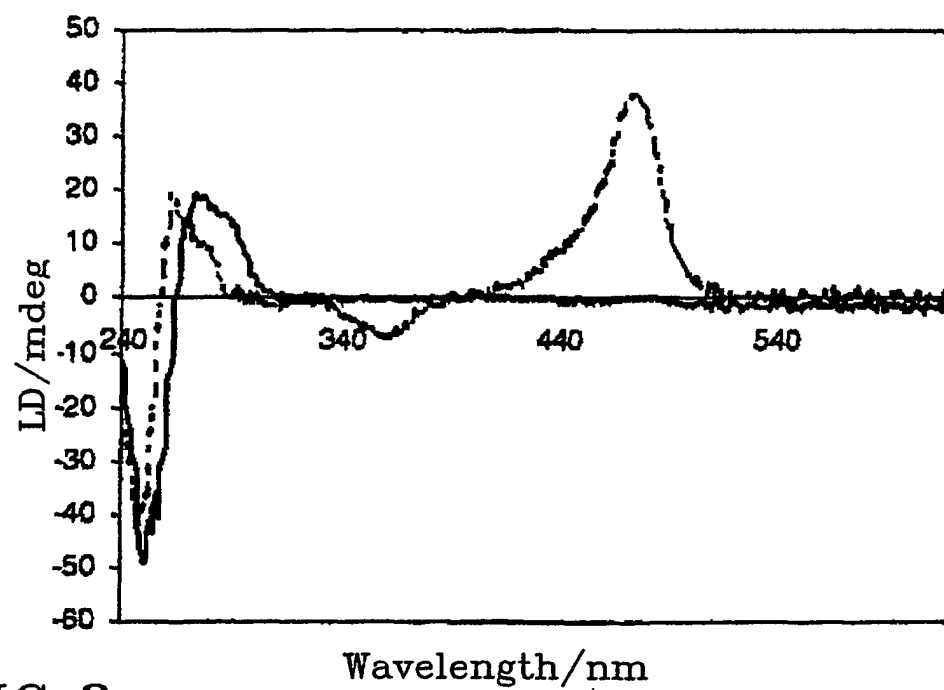


FIG. 8

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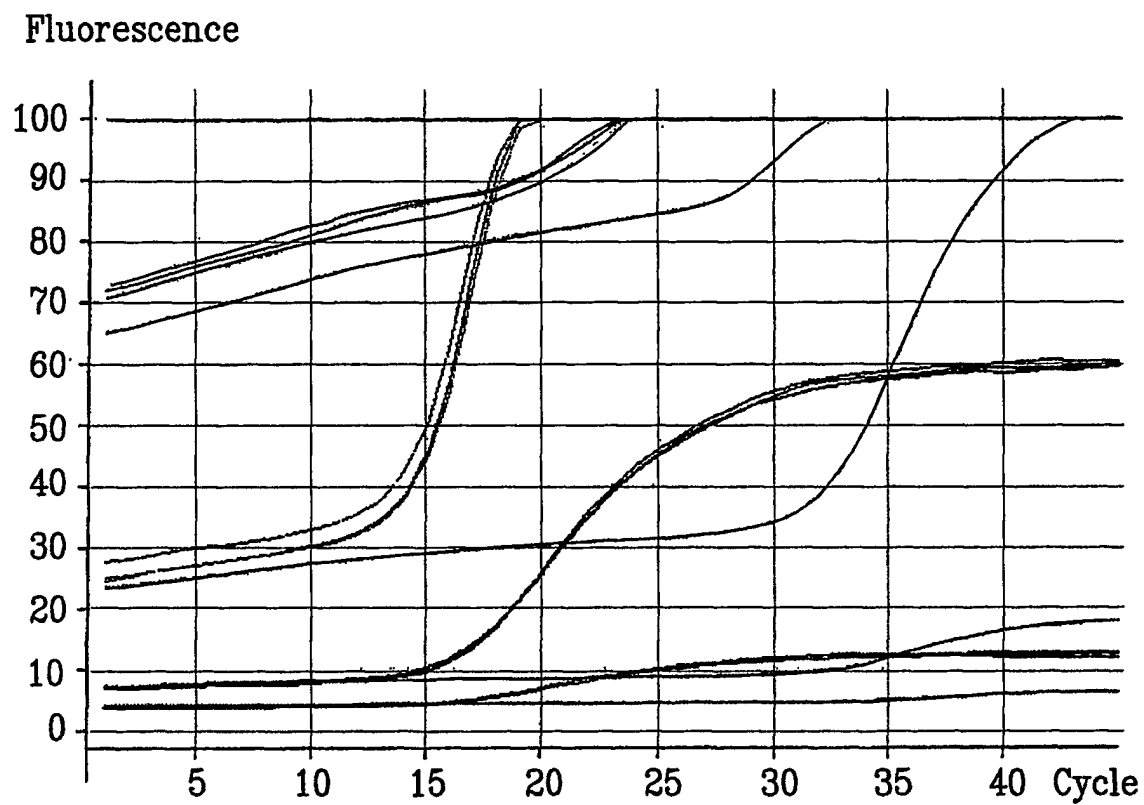


FIG.9



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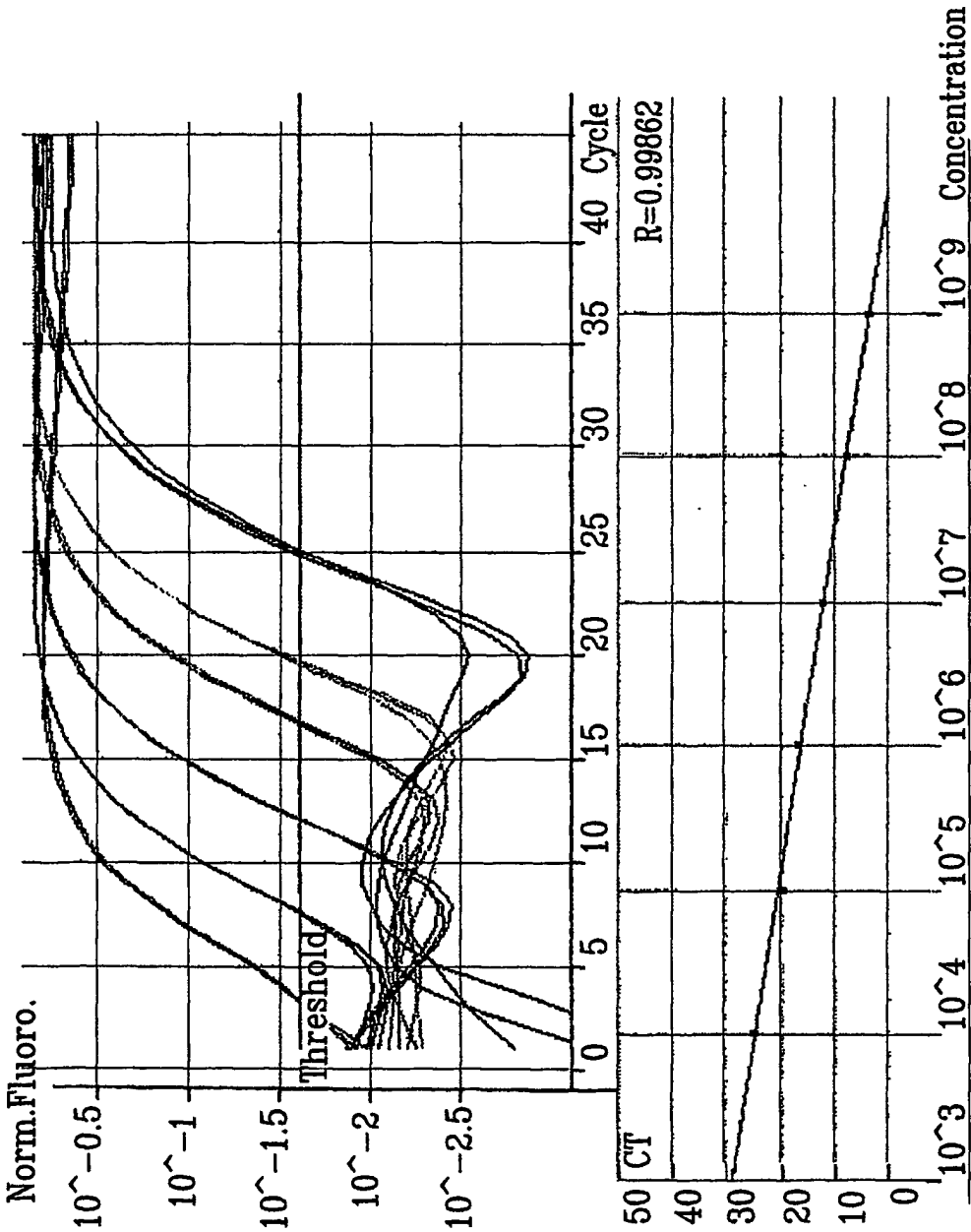


FIG.10

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Fluorescence

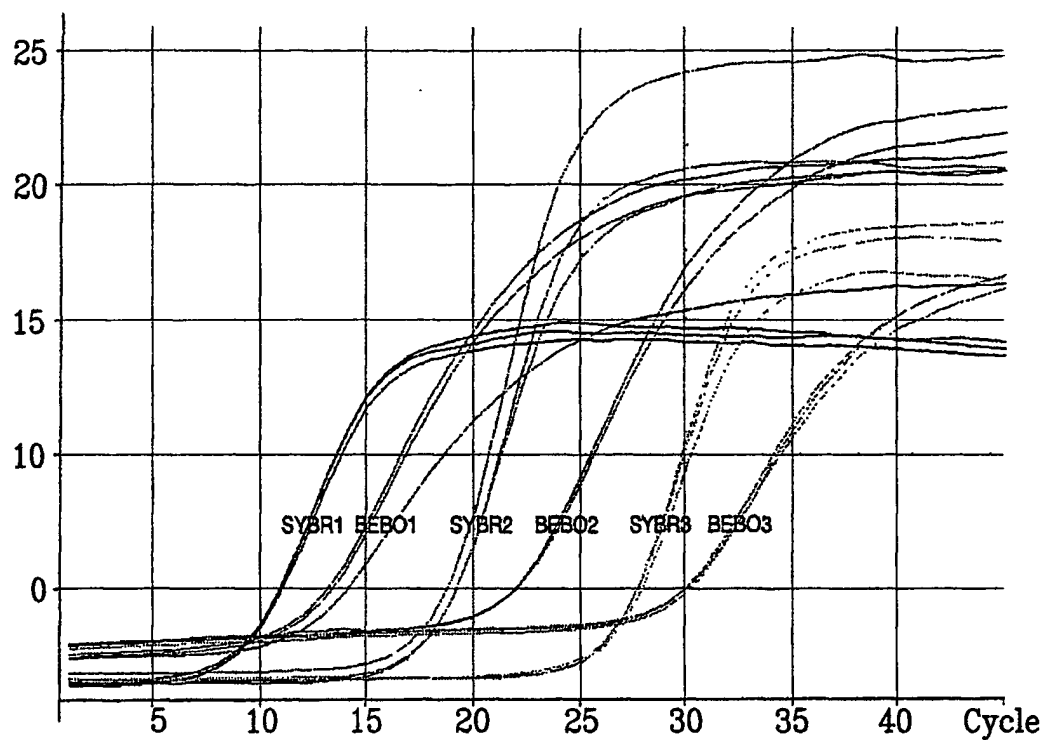


FIG. 11

Norm.Fluoro.

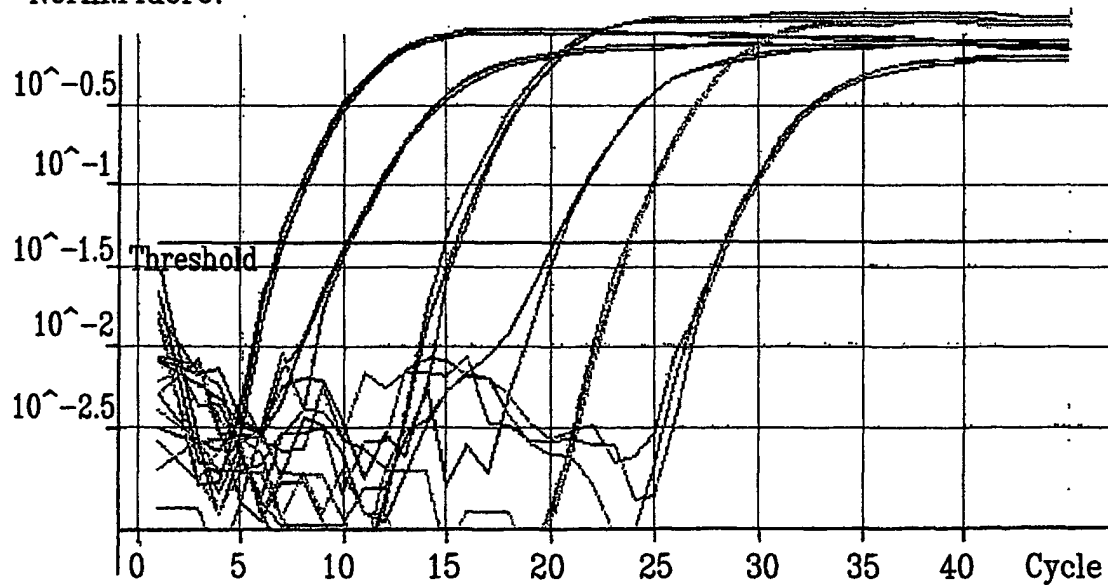


FIG. 12

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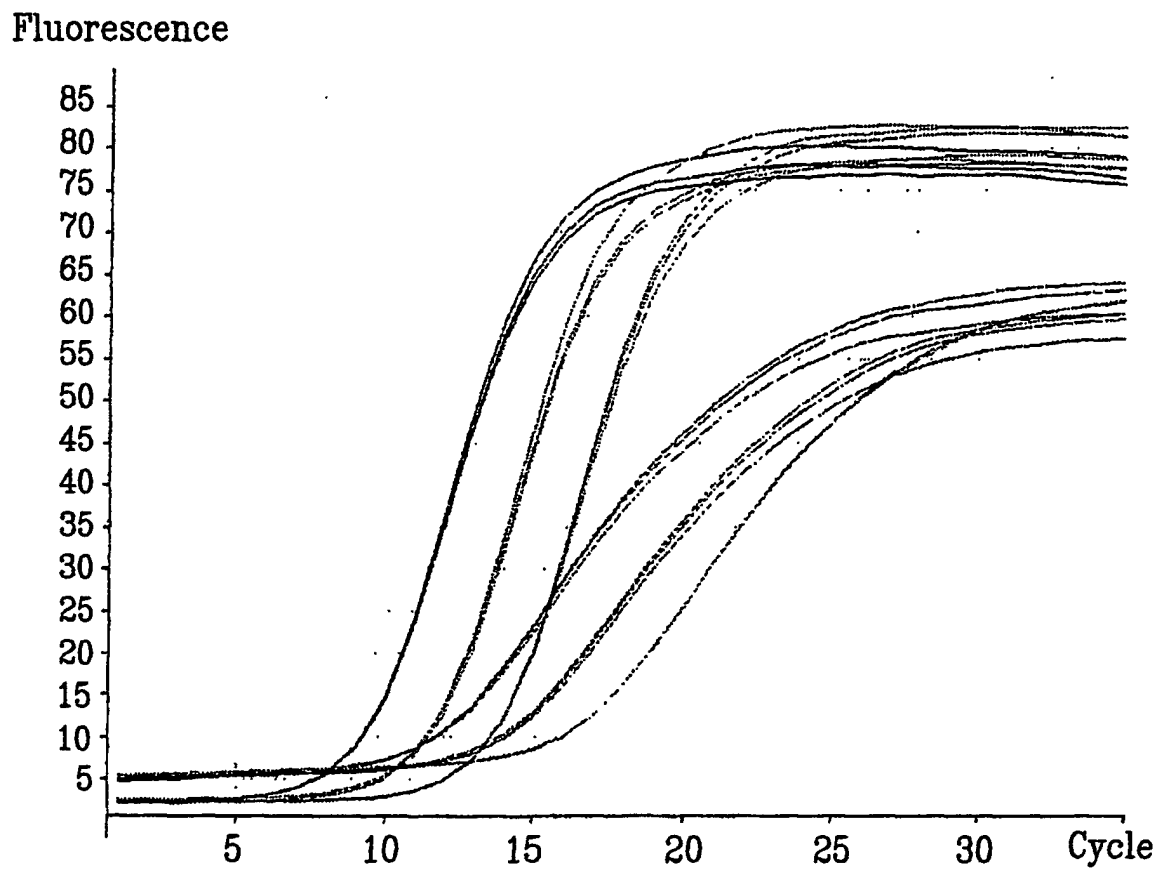


FIG.13

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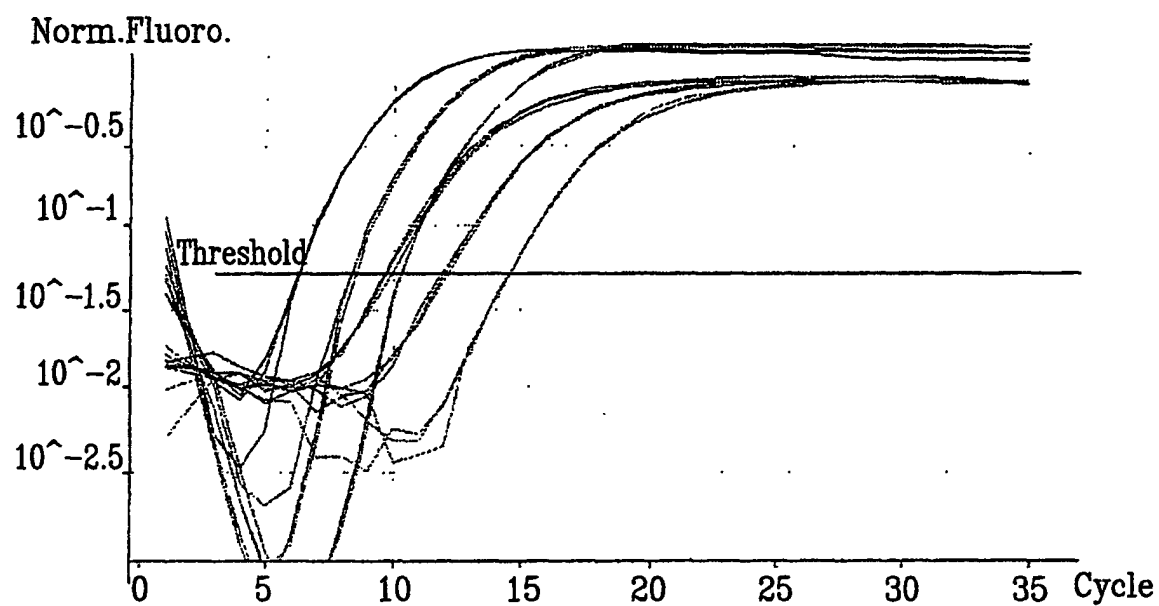


FIG.14

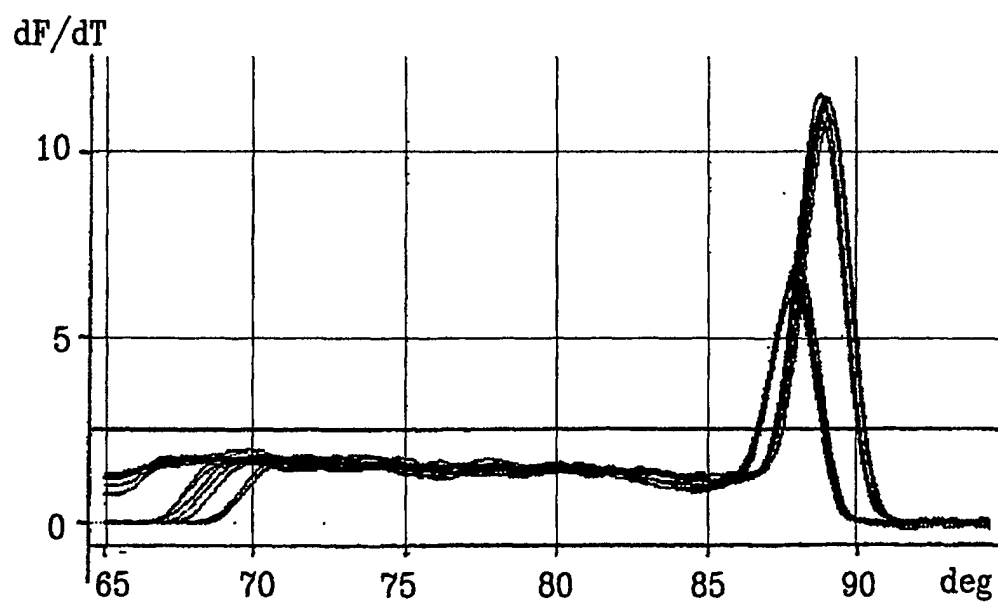


FIG.15

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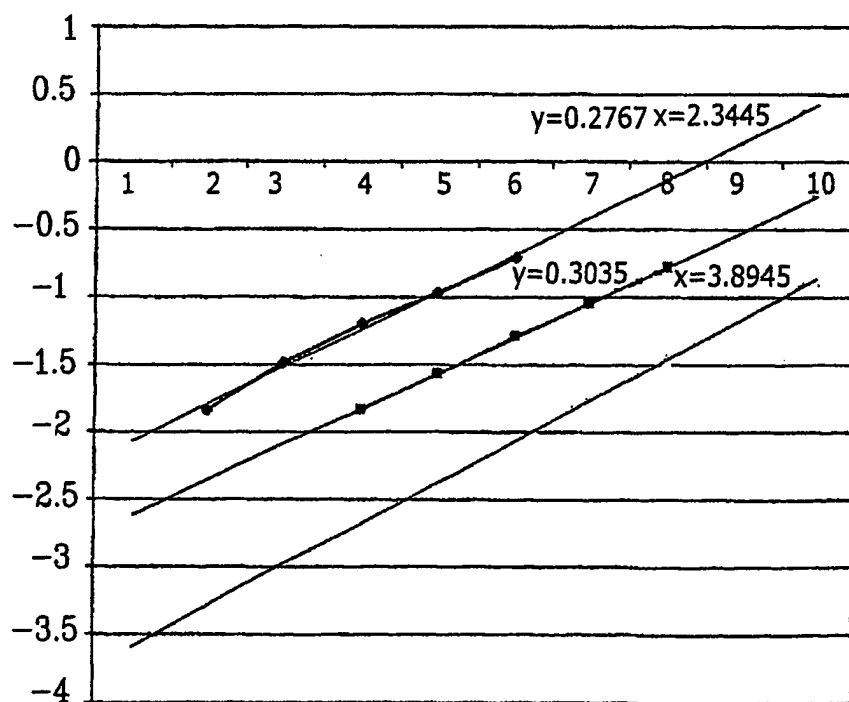
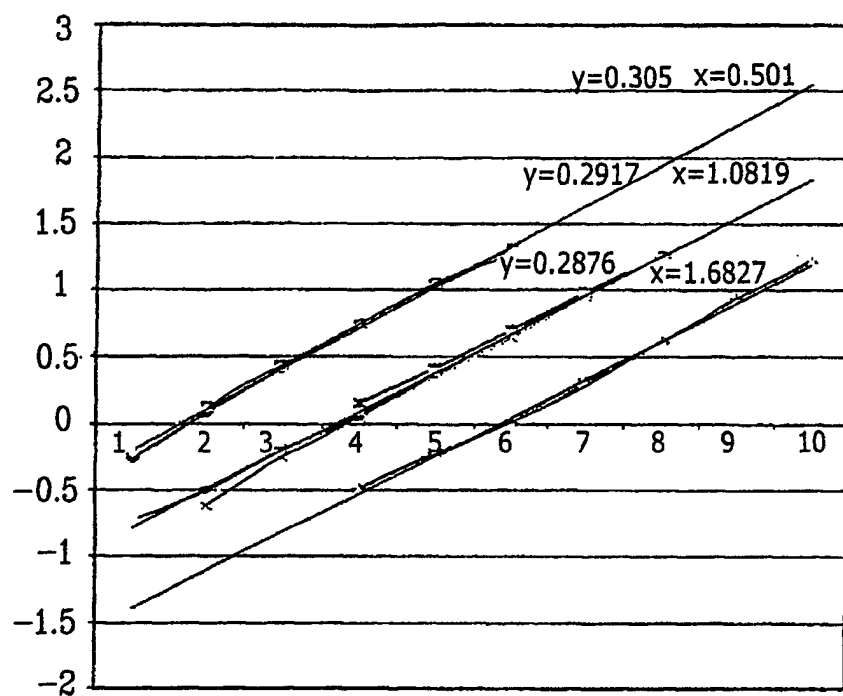
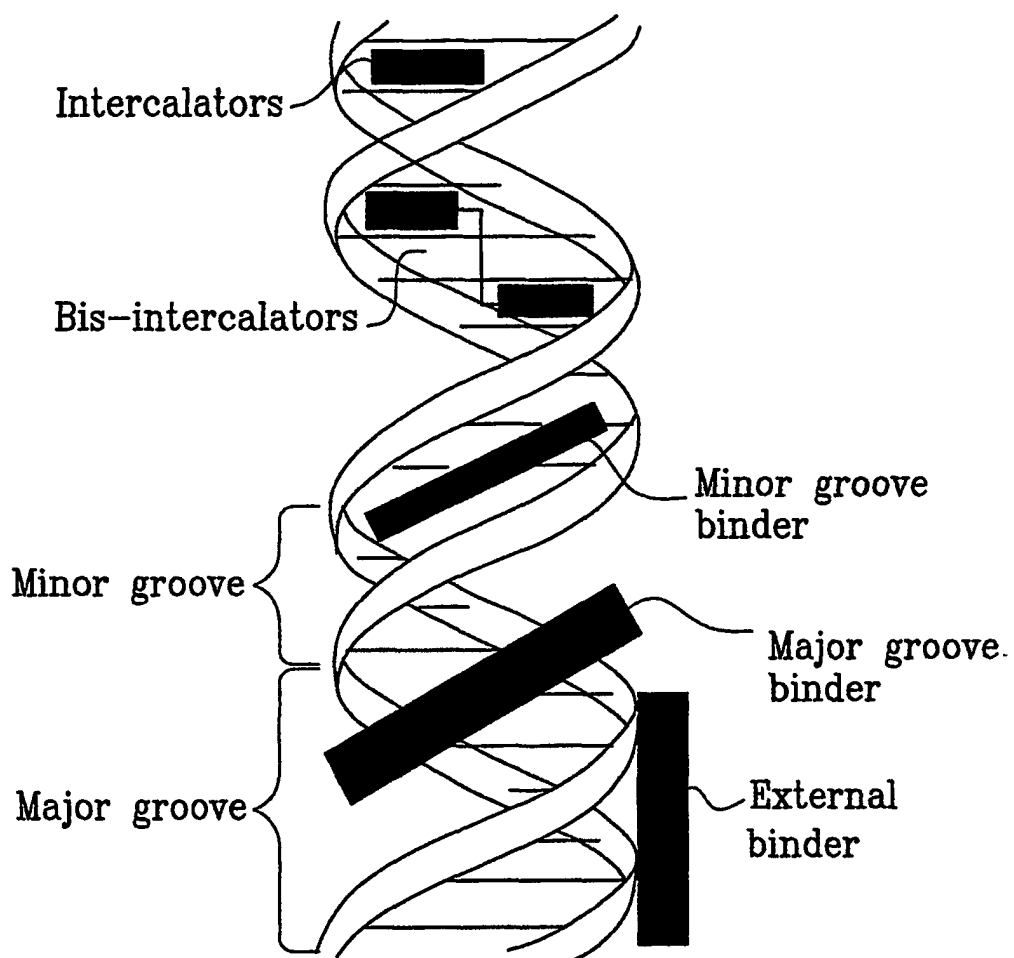
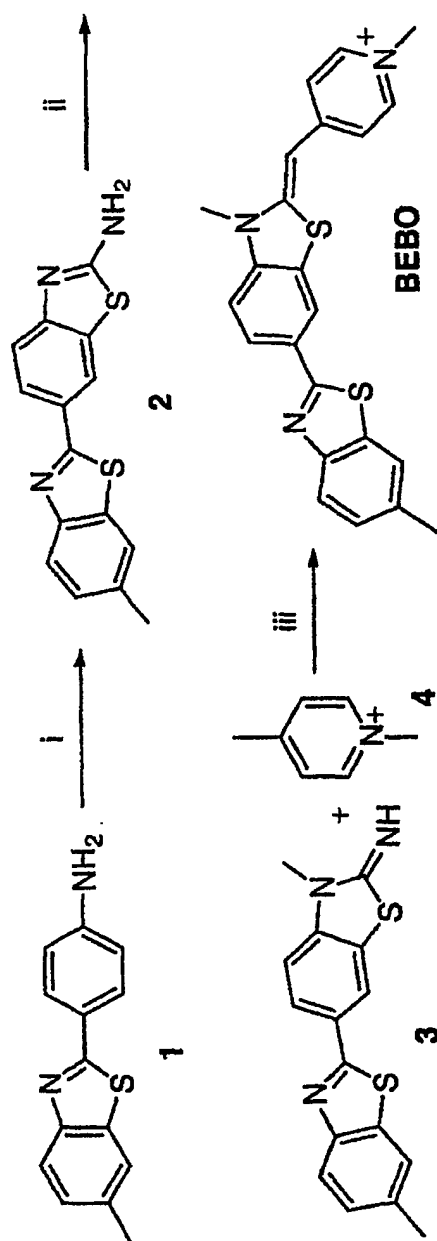


FIG.16

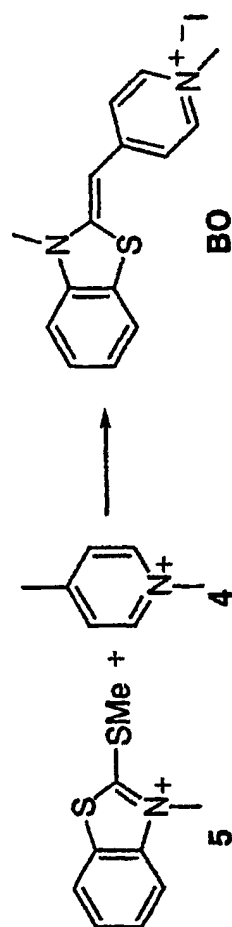
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**FIG.17**

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Scheme 1



Scheme 2